

Mbsm.pro, Danfoss, Compressor, 1/4hp++, hbp, 1/3 hp-, Fr10g, 134a, 103g6880,103g6890, 220v/1ph/50-60h

Category: compressor
written by Lilianne | 17 January 2024



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Refrigerants: R134a, Compressor power supply [V]: 220/1/50 220/1/60

Product details

Gross weight 10.6 Kg

Net weight 10.6 Kg

Gross weight 10.6 Kg

Net weight 10.6 Kg

Auxiliary winding resistance (start winding) for single-phase compressors [Ohm] 11.9

Auxiliary winding resistance (start winding) for single-phase compressors alt [Ohm] 11.9

Brand technique Reciprocating compressor

Capacity control Fixed speed

Colour	Black
Compressor power supply [V]	220/1/50 220/1/60
Configuration code	Single
Cut in current HST [A]	10.9 A
Cut in current LST [A]	15.1 A
Description	FR10G
Discharge connection angle [°]	25 °
Discharge connection comments	Al-cap
Discharge connection diameter [mm]	6.2 mm
Discharge connection material	Cu-plated steel
Economizer	No
Family	FR
Free gas volume [cm ³]	1350 cm ³
Frequency [Hz]	50/60
Height from baseplate [mm]	191 mm
High value of nominal voltage at 50Hz [V]	230 V
High value of nominal voltage at 60Hz [V]	230 V
High value of voltage range at 50Hz [V]	254 V
High value of voltage range at 60Hz [V]	254 V
In scope of WEEE and contain batteries	No
Length [mm]	243 mm
Liquid injection	No
Low value of nominal voltage at 50Hz [V]	220 V
Low value of nominal voltage at 60Hz [V]	220 V
Low value of voltage range at 50Hz [V]	198 V
Low value of voltage range at 60Hz [V]	198 V
LRA HST 60Hz [A]	10.9 A
LRA HST [A]	10.9 A
LRA LST [A]	10.5 A
Main winding resistance for single-phase compressors [Ohm]	7.1
Model number	FR10G
Motor type	CSIR RSIR
No. of phases (compressor)	1
No. of phases (fan)	1
Oil cooler connection comments	Rubber cap
Oil cooler connection diameter [mm]	6.2 mm
Oil cooler connection material	Copper
Oil quantity [cm ³]	450 cm ³
Oil type	P0E
Packing format	Industrial pack
Phase	1
Process connection angle [°]	30 °
Process connection comments	Al-cap
Process connection diameter [mm]	6.2 mm

Process connection material	Cu-plated steel
Product group	Hermetic compressors
Product Name Description	Reciprocating compressor FR
Refrigerant charge [kg] [Max]	0.9 kg
RLA	2.20 A
Rotational speed at 50Hz [rpm]	2900 rpm
Rotational speed at 60Hz [rpm]	3500 rpm
Suction connection angle [°]	30 °
Suction connection diameter [mm]	8.2 mm
Suction connection material	Cu-plated steel
Swept volume [cm3]	9.05 cm ³
Technology	Reciprocating
Total height [mm]	196 mm
Type	FR10
Voltage 50Hz [V]	220 V
Voltage 50Hz [V] [Max]	240 V
Voltage 60Hz [V]	220 V
Voltage 60Hz [V] [Max]	240 V
Width [mm]	156 mm
Winding temperature short term [°C] [Max]	135 °C
Winding temperature stat [°C] [Max]	125 °C
Auxiliary winding resistance (start winding) for single-phase compressors [0hm]	11.9
Auxiliary winding resistance (start winding) for single-phase compressors alt [0hm]	11.9
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Voltage 60Hz [V] [Max]	240 V

Width [mm]	156 mm
Winding temperature short term [°C] [Max]	135 °C
Winding temperature stat [°C] [Max]	125 °C

103G6890 Model FR10G Danfoss Hermetic Compressors

Specifications

Colour	Black
Low value of nominal voltage at 50 Hz [V]	208
Low value of nominal voltage at 60 Hz [V]	220
Low value of voltage range at 60Hz [V]	198
Oil charge [L or Kg]	450
Packing format	Industrial pack
Packing quantity	80
Phase	1
Displacement (cm³)	9.05
Voltage/Frequency	230V/1/50Hz
Application energy level	Universal compressor
Applications	HBP; LBP; MBP
Oil quantity [cm3]	450
Cover electrics	103N2010
Cover electrics Description	COVER TL,NL,FR-220V
Type designation	Compressor
Net weight	10.60



